



# **Mayo Clinic Proceedings**

**INDEX  
VOLUME 55  
1980**

**ROCHESTER, MINNESOTA**

## EDITORIAL BOARD

### *Editor-in-Chief*

JOHN L. JUERGENS, M.D.

### *Executive Editor*

WERNER HEIDEL, M.D.

### *Managing Editor*

DONABETH C. POSTIER, B.A.

---

ROBERT H. COFIELD, M.D.

JOHN E. GERICH, M.D.

DONALD W. MULDER, M.D.

AUDREY M. NELSON, M.D.

ELLIOTT RICHELSON, M.D.

THORALF M. SUNDT, JR., M.D.

RUSSELL A. VAN DYKE, Ph.D.

---

*Mayo Clinic Proceedings* is published monthly by the Mayo Foundation as part of its program of medical education and is sent regularly to medical libraries throughout the world. In the United States, it is also sent without charge, upon request, to physicians (M.D., D.O.) and medical students in their last 2 years of medical school. Medical students asking to receive *Proceedings* should state the year of their graduation. All other interested readers wishing to receive the journal may take out a subscription; the annual fee is \$15. Checks should be made payable to *Mayo Clinic Proceedings*. (All those receiving a complimentary copy who wish to help defray the cost of publishing and distributing the journal are encouraged to take out a voluntary paid subscription.) Requests for complimentary or paid subscriptions should be sent to: *Mayo Clinic Proceedings*, Room 1042, Plummer Building, Mayo Clinic, Rochester, MN 55901. Please enclose full name and complete address and indicate specialty or type of practice. Single issues of the *Proceedings* are available at \$2 each while the supply lasts. Please send your check with your order.

For changes of address, please enclose the old address label, give the complete new address, and allow 6 weeks for processing.

# Index to Volume 55 of MAYO CLINIC PROCEEDINGS

## A

Aboud CF, 51  
About death certificates; editorial, 347  
Accidents: spinal injury in children; review of 156 cases seen from 1950 through 1978, 499  
*Actinobacillus actinomycetemcomitans*, infective endocarditis caused by; report of four cases, 415  
Action potentials in sural nerve evoked by tactile stimuli, 223  
Active liver disease, clinical assessment of cirrhosis in severe chronic; specificity and sensitivity of physical and laboratory findings, 360  
Acupuncture; editorial, 775  
Acute renal failure due to low molecular-weight dextran, plasma exchange in treatment of, 387  
Adenocarcinoma of pancreas: biliary bypass for ductal; Mayo Clinic experience, 1970-1975, 537  
ductal, editorial, 583  
Adrenocortical steroids—then and now, editorial, 774  
Adson MA, 10  
Africa: medical education and health care in Uganda, 633  
Agents, cytotoxic: clinical features, prognosis, and response to treatment in polyarteritis, 146  
Ahmann DL, 403  
Alcoholic hepatitis: nonalcoholic steatohepatitis; Mayo Clinic experiences with hitherto unnamed disease, 434  
Alcoholism, diagnosis of, with a self-administered alcoholism screening test; results with 1,002 consecutive patients receiving general examinations, 365  
Alden CR, 537  
American Cancer Society's report on cancer-related health checkup—something old, something new, and something borrowed; editorial, 459  
Amphotericin B: *Rhodotorula* septicemia; two cases and review of literature, 258  
Analytic error and day-to-day variability in determinations of lipids in children, 267  
Anatomy, pathologic: Carl Weigert (1845-1904), pathfinder in medicine, 716  
Anderson JM, 499  
Anemia: blood test abnormalities in runners, 113  
Angiitis: respiratory vasculitis, 491

Angioedema, bladder involvement in hereditary, 277  
Angiography: extra-adrenal intrathoracic functioning paraganglioma (pheochromocytoma) in childhood, 271  
Angioplasty: coronary blood-flow responses during successful percutaneous transluminal coronary, 45  
transluminal, for basilar artery stenosis, 673  
Annegers JF, 614  
Antibodies: Legionnaires' disease; review of epidemiology and clinical manifestations of newly recognized infection, 129  
monoclonal; tools of future; editorial, 517  
Antidepressant drug action and presynaptic  $\alpha$ -receptors, 567  
Antigenemia, massive, during disseminated cryptococcosis, 513  
Antihypertensive drugs that alter adrenergic function, 390  
Anti-inflammatory drugs: nephrotoxicity of non-steroidal; editorial, 120  
renal failure associated with fenoprofen, 103  
Anxiolytic agents: lorazepam-related withdrawal seizures, 190  
Aortic graft-enteric fistula, 731  
Arteriovenous fistula, splenic, 383  
Artery bypass surgery, resolution of venous stasis retinopathy after carotid, 342  
Artery fistula, visualization of coronary, by two-dimensional echocardiography, 185  
Arthritis, disease-modifying drugs for progressive rheumatoid, 161  
Aspiration biopsy of lung, utility of needle; editorial, 516  
Atherosclerosis: vertebral-basilar distribution infarction following chiropractic cervical manipulation, 322  
Atrial myxomas; review of clinical experience in 40 patients, 371  
Attempted curative resection of ductal carcinoma of pancreas; review of Mayo Clinic experience, 1951-1975, 531  
Auscultatory findings, precordial, in pneumoperitoneum, 439  
Autoregulation of renal blood flow, failure of high doses of sar<sup>1</sup>-ile<sup>8</sup>-angiotensin II to abolish, 619

## B

Bacteremia, gram-negative, after transrectal needle biopsy of prostate, 489

Bacteriology: infective endocarditis caused by *Actinobacillus actinomycetemcomitans*; report of four cases, 415  
*Rhodotorula* septicemia; two cases and review of literature, 258  
Baggenstoss AH, 360  
Bailey PB, 475  
Banks PM, 645  
Bansal RC, 291  
Basic sciences, contributions to successful clinical application of cardiopulmonary bypass, 754  
Basilar artery stenosis, transluminal angioplasty for, 673  
Beabout JW, 739  
Beahrs OH, 19  
Beart RW Jr, 10  
Bed-wetting: enuresis—is it being overtreated?; editorial, 118  
Behavior: patients complaining of extreme pain, 563  
Benign recurrent cholestasis, plasmapheresis and studies of copper metabolism in; novel procedures in rare syndrome, 450  
Benign tumors: congenital fibromatosis; report of 28 cases of solitary and 4 cases of multiple tumors, 554  
Benzodiazepine: lorazepam-related withdrawal seizures, 190  
Berkner S, 94  
Berquist TH, 475  
Betamethasone, effect of, on mitochondrial oxidative phosphorylation in ischemic canine myocardium, 377  
Biliary bypass for ductal adenocarcinoma of pancreas; Mayo Clinic experience, 1970-1975, 537  
Biliary tract, liver, and pancreas, surgery of, 333  
Biopsy: of lung, utility of needle aspiration; editorial, 516  
of prostate, gram-negative bacteremia after transrectal needle, 489  
transthoracic needle; accuracy and complications in relation to location and type of lesion, 475  
Blackman HA, 573  
Bladder involvement in hereditary angioedema, 277  
Blood: effect of elevated prolactin levels on plasma 1,25-dihydroxyvitamin D and intestinal absorption of calcium, 51  
hemostasis, past, present, and future, 505

Blood-flow responses, coronary, during successful percutaneous transluminal coronary angioplasty, 45

Blood pressure: saralasin infusion in renovascular hypertension; increased response rate in seated patients, 99

in school-age population; distribution, correlations, and prevalence of elevated values, 623

subclavian vein, golden route, 315

Blood test abnormalities in runners, 113

Bones: scintigraphic evaluation of skeleton in multiple myeloma, 739

**BOOK REVIEWS** (Titles and Reviewers)

Accident and Emergency Medicine—Mucha P Jr, 594

Accident Surgery—Mucha P Jr, 282

Acne—Doyle JA, 199

Advances in Family Psychiatry—Wells LA, 524

Advances in Vaccination Against Virus Diseases—Thompson RL, 411

Allergic Diseases of Infancy, Childhood and Adolescence—Yunginger JW, 728

Ambulatory Gynecologic Surgery—Snyder JA Jr, 655

Anticonvulsant Therapy—Yanagihara T, 596

Arthritis—McKenna CH, 56

Atlas of Bedside Procedures—Mucha P Jr, 199

Atlas of Deep Mycoses—Roberts GD, 725

Atlas of Diseases of Breast—Payne WS, 281

Atlas of Lymph Node Pathology—Banks PM, 596

Atlas of Wrist and Hand Fractures—Linscheid RL, 122

Basic Atlas of Cross-Sectional Anatomy—Charboneau JW, 780

Basic Sciences—Facer GW, 525

Bone Marrow Interpretation—Hoagland HC, 195

Bone Tumors—Dahlin DC, 658

Burrows Textbook of Microbiology—Gilchrist MJR, 199

Cancer of Breast—Payne WS, 58

Cancer Chemotherapy—Rubin J, 464

Cancer of Genitourinary Tract—Myers RP, 61

Cancer Treatment—Rubin J, 596

Cardiac Pacing—Osborn MJ, 592

Care of High-Risk Neonate—Kleinberg F, 349

Cerebrospinal Fluid in Diseases of Nervous System—Goldstein NP, 725

Cerebrovascular Diseases—Sandok BA, 279

Cerebrovascular Disorders and Stroke—Sandok BA, 279

Childhood Prevention of Atherosclerosis and Hypertension—Berge KG, 526

Chronic Pain—Swanson DW, 411

Clinical-Anatomical Correlations in Coronary Artery Disease—Lie JT, 196

Clinical Cardiac Electrophysiology—Holmes DR Jr, 283

Clinical Management of Pituitary Disorders—Ebersold MJ, 408

Clinical Neuroendocrinology—Randall RV, 280

Clinical Neuroimmunology—Lennon VA, 407

Clinical Treatment and Research in Child Psychopathology—Obetz SW, 57

Clubfoot—Bianco AJ Jr, 782

Color Atlas of Colposcopy—Fish CR, 122

Color Atlas of Pathogenic Fungi—Roberts GS, 410

Color Atlas of Surgical Diagnosis—Kiernan PD, 781

Complications of Head and Neck Surgery—Pearson BW, 407

Complications of Intrathoracic Surgery—Puga FJ, 122

Complications in Ophthalmic Surgery—Liesegang TJ, 780

Computed Tomography of Brain in Axial, Coronal, and Sagittal Planes—Baker HL Jr, 282

Congenital Anomalies of Heart—Edwards WD, 591

Controversy in Anesthesiology—Van Dyke RA, 281

Critical Care of Neurologic and Neurosurgical Emergencies—Ebersold MJ, 593

Current Gastroenterology and Hepatology—McGill DB, 350

Diagnosis and Therapy of Coronary Artery Disease—Vlietstra RE, 60

Diagnostic Ultrasound in Obstetrics—Fish CR, 284

Diseases of Chest—DeRemee RA, 410

Diseases of Oral Mucosa—Sheridan PJ, 726

Disorders of Calcium and Phosphate Metabolism in Childhood and Adolescence—Stickler GB, 591

Disorders of Esophageal Motility—Andersen HA, 58

Disorders of Foot—Johnson KA, 657

Disorders of Peripheral Fundus—Buetner H, 464

Ear—Facer GW, 525

Early Detection of Potential Diabetics—Zimmerman BR, 410

Endocrinology—Randall RV, 595

Epilepsies of Childhood—Mellinger JF, 285

Essentials of Complete Denture Prosthodontics—Laney WR, 123

Essentials of Neurosurgery—Ebersold MJ, 781

Ethnopharmacologic Search for Psychoactive Drugs—Taylor JE, 406

Exercise Electrocardiography—Bardsley WT, 58

Existentialism and Psychoanalysis—Wells LA, 465

Exocrine Pancreas—Regan PT, 463

Fine Art of Prescribing Glasses—Hohberger GG, 200

Fracture Treatment and Healing—Cabaneta ME, 525

Frontiers in Neuroendocrinology—Abbaud CF, 659

Genetics in Medicine—Dewald G, 465

Glaucoma—Brubaker RF, 197

Growth of Medical Information Systems in United States—Downie CM, 464

Guide to Medical Photography—Martin JS, 469

Guide to Therapeutic Oncology—Nichols WC, 409

Handbook of Total Parenteral Nutrition—Anderson CF, 411

Head and Neck Surgery—Woods JE, 595

Headache—O'Neil BP, 655

Heart Disease—Vlietstra RE, 780

Heart Disease and Rehabilitation—Gura GM, 468

Hemodynamic Basis of Atherosclerosis—Lie JT, 467

Hemoglobinopathies in Children—Smithson WA, 597

Histopathology of Cardiac Arrhythmias—Lie JT, 285

History of American Pediatrics—Hayles AB, 524

Human Cardiovascular System—Harrison CE Jr, 282

Human Nutrition and Dietetics—Anderson CF, 526

Immunologic Mechanisms of Renal Disease—Anderson CF, 123

Immunology and Immunopathology of Human Foetal-Maternal Interaction—Gaffey TA, 198

Infectious Diseases—Brewer NS, 781

Influenza—Wilkowski CJ, 725

Interpretation of Biopsy of Endometrium—Jones MJ, 470

Jamieson & Kay's Textbook of Surgical Physiology—Kaye MP, 121

Liver and Biliary Disease—McGill DB, 471

Lymphoproliferative Disorders—Kiely JM, 59

Mammalian Testis—Northcutt RC, 409

Man in Flight—Hodgson CJ, 60

Management of High-Risk Pregnancy—Evans AT III, 779

Management of Peripheral Nerve Problems—Dyck PJ, 465

Management of Trauma—Mucha P Jr, 349

Managing Sexual Dysfunction—Osborne D, 526

Manual of Echocardiographic Techniques—Miller FA Jr, 783

Materials and Orthopaedic Surgery—Morrey BF, 56

Medical Casebook of Adolf Hitler—Swanson DW, 727

Medical Education Financing—Hanson AR, 471

Medical Radiation Physics—Orvis AL, 470

Microsurgery—Wood MB, 121

Mitral Valve Prolapse—O'Brien CP, 124

Modern Nutrition in Health and Disease—Anderson CF, 463

Modern Topics in Paediatric Dermatology—Connolly SM, Doyle JA, 283

Muscle Regeneration—Engel AG, 203

Muscle Testing—Merritt JL, 782

National Health Insurance—Reitmeier RJ, 658  
 Neurochemical Mechanisms of Opiates and Endorphins—Yaksh TL, 61  
 New Techniques and Concepts in Maternal and Fetal Medicine—Evans AT, 279  
 Nose and Sinuses—Facer GW, 525  
 Nuclear Cardiology for Clinicians—Clements IP, 727  
 Nuclear Medicine for General Physician—Wahner HW, 524  
 Nutrition and Cancer—Anderson CF, 196  
 Nutrition in Medical Practice—Anderson CF, 286  
 Obesity—Gastineau CF, 783  
 Oculoplastic Surgery—Waller RR, 727  
 Orthopaedics—Brodersen MP, 123  
 Pain—Swanson DW, 468  
 Pathogenic Streptococci—Thompson RL, 121  
 Pathology of Soft Tissue Tumors—Goellner JR, 468  
 Perinatal Medicine—Kleinberg F, 658  
 Periodontology and Periodontics—Sheridan PJ, 60  
 Personnel Administration in Health Services Industry—Larson DM, 284  
 Pharynx and Larynx—Facer GW, 525  
 Plastic Surgery—Woods JE, 281, 406  
 Plastic Surgery of Female Breast—Woods JE, 656  
 Platelets—Chesebro JH, 124  
 Post-Mortem Procedures—Ludwig J, 121  
 Practical Diagnosis: Hematologic Disease—Hoagland HC, 351  
 Practical Fiberoptic Bronchoscopy—Cortese DA, 523  
 Practical Pediatric Dermatology—Connolly SM, Doyle JA, 283  
 Practice of Geriatric Psychiatry—Martin LM, 782  
 Preventive Primary Medicine—Carter ET, 467  
 Primary Care of Hand Injuries—Cooney WE III, 203  
 Principles and Management of Urologic Cancer—Myers RP, 61  
 Problems in Breast Pathology—Krawisz BR, 472  
 Problems in Intrahepatic Cholestasis—Czaja AJ, 592  
 Progress in Medical Genetics—Dewald G, 350  
 Progress in Neuropathology—Okazaki H, 408  
 Prophylactic Approach to Hypertensive Diseases—Schirger A, 467  
 Pulmonary Embolism—Rosenow EC III, 469  
 Pulmonary Vascular Diseases—Edwards WD, 406  
 Radiation Biology in Cancer Research—Evans RG, 463  
 Radiology of Chest—Aughenbaugh GL, 350  
 Radiology of Colon—Carlson HC, 591, 592  
 Recent Advances in Diagnosis and Treatment of Pituitary Tumors—Randall RV, 349  
 Reconstruction and Rehabilitation of Burned

Patient—Irons GB Jr, 779  
 Renal Transplantation—Sterloff S, 784  
 Rheumatoid Foot—Stauffer RN, 411  
 Rheumatology and Immunology—Ginsburg WW, 57  
 Secondary Diabetes—Nelson RL, 656  
 Sigmund Freud's Dreams—Wells LA, 594  
 Single Fibre Electromyography—Daube JR, 57  
 Stress and Mental Disorder—Wells LA, 59  
 Surgery of Aorta and Its Body Branches—Pairolero PC, 469  
 Surgical Care—Bernatz PE, 471  
 Surgical Pathology in Uterine Corpus—Gaffey TA, 657  
 Techniques in Vascular Surgery—Pairolero PC, 122  
 Textbook of Nuclear Medicine—Wahner HW, 56  
 Textbook of Sexual Medicine—Osborne D, 280  
 Thoracic Trauma—Mucha P Jr, 657  
 Today's Art of Peritoneal Dialysis—Mitchell JC III, 285  
 Trends in Intravenous Anesthesia—Nelson DO, 523  
 Tumors of Head and Neck—Pearson BW, 197  
 Tumors of Ovary and Maldeveloped Gonads—Gaffey TA, 779  
 Use of Antibiotics—Hermans PE, 524  
 Vertebrate Ovary—Gaffey TA, 198  
 World Issues in Problems of Schizophrenic Psychoses—Wells LA, 280  
 You Can't Catch Diabetes From a Friend—Haymond MW, 279

#### BOOKS BY MAYO CLINIC AUTHORS: Reviews

Clinical Voice Disorders: An Interdisciplinary Approach, by Arnold E. Aronson (reviewed by B. Weinberg), 726  
 Current Practice of Clinical Electroencephalography, edited by Donald W. Klass and David D. Daly (reviewed by F. Torres), 196  
 Office Cardiology, edited by Robert O. Brandenburg (reviewed by R. J. Schulz), 593  
 Peripheral Vascular Diseases, edited by John L. Juergens, John A. Spittell, and John F. Fairbairn (reviewed by V. G. deWolfe), 656  
 Tuberculosis, by Douglas R. Gracey and Whitney W. Addington (reviewed by J. R. Webster, Jr.), 198  
 Bowel: total colectomy with rectal mucosectomy and ileoanal anastomosis for chronic ulcerative colitis in children and young adults, 420  
 Breast, linitis plastica caused by metastatic lobular carcinoma of, 747  
 Breast cancer: in DES-exposed mothers; absence of association, 89  
 incidence, prevalence, mortality, and survivorship in Rochester, Minnesota, 1935 to 1974, 355

statistics—1980; editorial, 403  
 Breast surgery: pitfalls and problems with subcutaneous mastectomy, 687  
 Brennan LA, 99  
 Brennan MD, 33  
 Brewer NS, 482, 513, 663  
 Brian DO, 89, 355  
 Briselli MF, 554  
 Bruckman JE, 711  
 Bruit: splenic arteriovenous fistula, 383  
 Buchthal F, 223  
 Budahn LL, 700  
 Bunch TW, 113, 161  
 Burchell HB, 754  
 Burgstaler EA, 180  
 Burke EC, 118  
 Burritt MF, 606  
 Bypass: open-heart surgery at Mayo Clinic; 25th anniversary, 339

#### C

California virus: etiology and outcome in 42 children with acute nonbacterial meningoencephalitis, 156  
 Callahan JA, 231  
 Campbell JK, 673  
 Cancer: biliary bypass for ductal adenocarcinoma of pancreas; Mayo Clinic experience, 1970-1975, 537  
 breast, in DES-exposed mothers; absence of association, 89  
 breast; incidence, prevalence, mortality, and survivorship in Rochester, Minnesota, 1935 to 1974, 355  
 breast, statistics—1980; editorial, 403  
 metastatic disease to spine; editorial, 460  
 Cancer-related health checkup, American Cancer Society's report—something old, something new, and something borrowed; editorial, 459  
 Capsule formation: pitfalls and problems with subcutaneous mastectomy, 687  
 Carcinoid tumor of thymus; clinicopathologic report of seven cases with review of literature, 246  
 Carcinoma: of breast, linitis plastica caused by metastatic lobular, 747  
 endometrial; comparison of Olmsted County and Mayo Clinic referral patients, 614  
 multicentric thyroid, parathyroid adenomas, and vagal neurilemmoma in young man with antecedent tonsillar radiation, 648  
 of pancreas, attempted curative resection of ductal; review of Mayo Clinic experience, 1951-1975, 531  
 Cardiac disease: atrial myxomas; review of clinical experience in 40 patients, 371  
 Cardiac pacing in childhood, use of percutaneous subclavian technique for permanent, 579  
 Cardiology: echophonocardiographic findings in patients with prosthetic heart valve malfunction, 231

- feasibility of detailed two-dimensional echocardiographic examination in adults; prospective study of 200 patients, 291
- open-heart surgery at Mayo Clinic; 25th anniversary, 339
- permanent transvenous pacemaker implantation via subclavian vein, 309
- Cardiomyopathy, hypertrophic, and coronary heart disease; editorial, 54
- Cardiopulmonary bypass, contributions of basic sciences to successful clinical application of, 754
- Carl Weigert (1845-1904), pathfinder in medicine, 716
- Carney JA, 246
- Carotid artery bypass surgery, resolution of venous stasis retinopathy after, 342
- Catheters: subclavian vein; golden route, 315
- transluminal angioplasty for basilar artery stenosis, 673
- Cauda equina: spinal cord compression; with special reference to metastatic epidural tumors, 442
- Cerebri, pseudotumor, clinical profile and visual outcome in 63 patients, 541
- Certificates, about death; editorial, 347
- Chemotherapy: dialysis in treatment of multiple myeloma, 65
- nephrotoxicity of nonsteroidal anti-inflammatory drugs; editorial, 120
- renal failure associated with fenoprofen, 103
- saralasin infusion in renovascular hypertension; increased response rate in seated patients, 99
- Chinese medicine: acupuncture; editorial, 775
- Chiropractic cervical manipulation, vertebral-basilar distribution infarction following, 322
- Cholecystectomy: and gastric ulcer—etiologic relationship?, 255
- precordial auscultatory findings in pneumoperitoneum, 439
- Cholecystitis: surgery of liver, biliary tract, and pancreas, 333
- Cholesterol: day-to-day variability and analytic error in determinations of lipids in children, 267
- removal of plasma lipoproteins from circulating blood with heparin-agarose column, 180
- Chou SN, 775
- Chronic lymphocytic leukemia, malignant histiocytosis as terminal condition in, 108
- Chronic pain: patients complaining of extreme pain, 563
- Chronic ulcerative colitis in children and young adults, total colectomy with rectal mucosectomy and ileoanal anastomosis for, 420
- Chu C-P, 83
- Churg-Strauss syndrome: respiratory vasculitis, 491
- Clytous and nonclytous pleural effusions, lipoprotein profile of, 700
- Cirrhosis: clinical assessment of in severe chronic active liver disease; specificity and sensitivity of physical and laboratory findings, 360
- nonalcoholic steatohepatitis; Mayo Clinic experiences with hitherto unnamed disease, 434
- Clements RP, 637
- Clinical features, prognosis, and response to treatment in polyarteritis, 146
- Clinical pharmacology: antihypertensive drugs that alter adrenergic function, 390
- disease-modifying drugs for progressive rheumatoid arthritis, 161
- diuretics; role of sodium balance, 261
- glucocorticoids in rheumatic disease, 758
- thyroid hormones, 33
- Clotting, blood: hemostasis; past, present, and future, 505
- Cohen RD, 146
- Colgan JP, 601
- Collis MG, 567
- Commencement exercises of Mayo Medical School, remarks at, 573
- Comparative studies of total and ionized serum calcium values in normal subjects and patients with renal disorders, 606
- Computed tomography: extra-adrenal intrathoracic functioning paraganglioma (pheochromocytoma) in childhood, 271
- Computer-assisted perimetry in neuro-ophthalmic disease, 207
- Congenital fibromatosis; report of 28 cases of solitary and 4 cases of multiple tumors, 554
- Cann DL, 146, 758
- Connolly DC, 771
- Conotruncal abnormalities, wide-angle two-dimensional echocardiographic profiles of, 73
- Copper metabolism in benign recurrent cholestasis, plasmapheresis and studies of; novel procedures in rare syndrome, 450
- Cornier WJ, 747
- Coronary artery: failure of interventions to maintain mitochondrial function in ischemic myocardium, 637
- fistula, visualization of by two-dimensional echocardiography, 185
- Coronary blood-flow responses during successful percutaneous transluminal coronary angioplasty, 45
- Correlation of histopathologic characteristics of primary tumor and uninvolved regional lymph nodes in Duke's class C colonic carcinoma with prognosis, 243
- Corrigan, Dominic J. (1802-1880), and his description of pericardial knock, 771
- Cortese DA, 475
- Crowe JK, 271
- Cryptococcosis, massive antigenemia during disseminated, 513
- Cucchiara RF, 673
- Cunha CLP, 231
- Cystic disease of lungs in tuberous sclerosis; clinicopathologic correlation, including body plethysmographic lung function tests, 547
- Czaja AJ, 360
- ## D
- Dahlberg PJ, 65
- Dahlin DC, 721
- Davis MH, 439
- Day-to-day variability and analytic error in determinations of lipids in children, 267
- Death certificates, about; editorial, 347
- Decubiti: spinal injury in children; review of 156 cases seen from 1950 through 1978, 499
- De la Fuente JR, 190
- Depletion of sodium: saralasin infusion in renovascular hypertension; increased response rate in seated patients, 99
- DeRemee RA, 492
- DES-exposed mothers, breast cancer in; absence of association, 89
- Dewey JD, 637
- Dextran, plasma exchange in treatment of acute renal failure due to low molecular-weight, 387
- Deye D, 258
- Diabetic ketoacidosis in community-based population, 83
- Diagnosis of alcoholism with a self-administered alcoholism screening test; results with 1,002 consecutive patients receiving general examinations, 365
- Dialysis in treatment of multiple myeloma, 65
- Diatheses, bleeding: hemostasis; past, present, and future, 505
- Dickson ER, 450
- Dilation: transluminal angioplasty for basilar artery stenosis, 673
- Dinapoli RP, 442
- Dines DE, 700
- Discrete subaortic stenosis; two-dimensional echocardiographic features, 425
- Disseminated cryptococcosis, massive antigenemia during, 513
- Diuretics; role of sodium balance, 261
- Dominic J. Corrigan (1802-1880) and his description of pericardial knock, 771
- Donat JF, 156
- Doxorubicin-enhanced skin reaction after whole-body electron-beam irradiation for leukemia crisis, 711
- Dozois RR, 10
- Drug action, antidepressant, and presynaptic  $\alpha$ -receptors, 567
- Drugs: antihypertensive, that alter adrenergic function, 390
- clinical features, prognosis, and response to treatment in polyarteritis, 146
- disease-modifying, for progressive rheumatoid arthritis, 161
- effect of betamethasone on mitochondrial oxidative phosphorylation in ischemic canine myocardium, 377
- lorazepam-related withdrawal seizures, 190



nephrotoxicity of nonsteroidal anti-inflammatory; editorial, 120

patients complaining of extreme pain, 563

renal failure associated with fenoprofen, 103

Ductal adenocarcinoma of pancreas: biliary bypass for; Mayo Clinic experience, 1970-1975, 537

editorial, 583

Ductal carcinoma of pancreas, attempted curative resection of; review of Mayo Clinic experience, 1951-1975, 531

Dukes' class C colonic carcinoma with prognosis, correlation of histopathologic characteristics of primary tumor and uninvolved regional lymph nodes in, 243

Duodenal peptic ulceration—1980 symposium: introduction, 3

medical versus surgical therapy for duodenal ulcer; making the right choice, 25

proximal gastric vagotomy; initial experience, 10

truncal vagotomy and resection in treatment of duodenal ulcer, 19

vagotomy and pyloroplasty in treatment of duodenal ulceration; long-term results, 14

which operation for duodenal ulcer?, 5

Dysrhythmia: hypertrophic cardiomyopathy and coronary heart disease; editorial, 54

**E**

Ear, lymphocytic lymphoma involving middle, 645

Echocardiographic examination in adults, feasibility of detailed two-dimensional; prospective study of 200 patients, 291

Echocardiographic features, two-dimensional, of discrete subaortic stenosis, 425

Echocardiographic profiles, wide-angle two-dimensional, of conotruncal abnormalities, 73

Echocardiography: atrial myxomas; review of clinical experience in 40 patients, 371

visualization of coronary artery fistula by two-dimensional, 185

Echophonocardiographic findings in patients with prosthetic heart valve malfunction, 231

Echovirus type 11 infection, intrauterine, 509

Economics: health care expenditures; approaching crisis, 705

Edis AJ, 10, 531, 583, 648

Editorial: about death certificates, 347

acupuncture, 775

adrenocortical steroids—then and now, 774

breast cancer statistics—1980, 403

ductal adenocarcinoma of pancreas, 583

enuresis—is it being overtreated?, 118

HDPE, JNC, and nonpharmacologic management of hypertension, 651

hypertrophic cardiomyopathy and coronary heart disease, 54

metastatic disease to spine, 460

monoclonal antibodies; tools of future, 517

nephrotoxicity of nonsteroidal anti-inflammatory drugs, 120

observations on Legionnaires' pneumonia, 193

seventy-five years' experience with frozen sections at Mayo Clinic, 721

something old, something new, and something borrowed—American Cancer Society's report on cancer-related health checkup, 459

trends in surgical management of varicose veins, 583

utility of needle aspiration biopsy of lung, 516

Edmonson JH, 747

Edson RS, 489

Education, medical, and health care in Uganda, 633

Effect of betamethasone on mitochondrial oxidative phosphorylation in ischemic canine myocardium, 377

Effect of elevated prolactin levels on plasma 1,25-dihydroxyvitamin D and intestinal absorption of calcium, 51

Electron-beam irradiation for leukemia crisis, doxorubicin-enhanced skin reaction after whole-body, 711

Electrophoretogram: lipoprotein profile of chylous and nonchylous pleural effusions, 700

Ellefson RD, 180, 267, 700

Elveback LR, 267

Encephalopathy, hepatic: clinical assessment of cirrhosis in severe chronic active liver disease; specificity and sensitivity of physical and laboratory findings, 360

Endocardial pacing: use of percutaneous subclavian technique for permanent cardiac pacing in childhood, 579

Endocarditis, infective, caused by *Actinobacillus actinomycetemcomitans*; report of four cases, 415

Endocrine tumors: carcinoid tumor of thymus; clinicopathologic report of seven cases with review of literature, 246

Endometrial carcinoma; comparison of Olmsted County and Mayo Clinic referral patients, 614

Enuresis—is it being overtreated?; editorial, 118

Epidemiology: breast cancer in DES-exposed mothers; absence of association, 89

breast cancer incidence, prevalence, mortality, and survivorship in Rochester, Minnesota, 1935 to 1974, 355

cholecystectomy and gastric ulcer—etiologic relationship?, 255

clinical manifestations of newly recognized infection, Legionnaires' disease; review, 129

diabetic ketoacidosis in community-based population, 83

Epidural tumors, metastatic; spinal cord compression, 442

Epilepsy: lorazepam-related withdrawal seizures, 190

Etiology and outcome in 42 children with acute

nonbacterial meningoencephalitis, 156

Exercise: blood test abnormalities in runners, 113

Expenditures, health care; approaching crisis, 705

Extra-adrenal intrathoracic functioning paraganglioma (pheochromocytoma) in childhood, 271

Extracorporeal circulation: removal of plasma lipoproteins from circulating blood with heparin-agarose column, 180

Extreme pain, patients complaining of, 563

Eyes: pseudotumor cerebri; clinical profile and visual outcome in 63 patients, 541

resolution of venous stasis retinopathy after carotid artery bypass surgery, 342

## F

Facial palsy: lymphocytic lymphoma involving the middle ear, 645

Failure of high doses of sar<sup>1</sup>-ile<sup>8</sup>-angiotensin II to abolish autoregulation of renal blood flow, 619

Failure of interventions to maintain mitochondrial function in ischemic myocardium, 637

Fathman CG, 517

Feasibility of detailed two-dimensional echocardiographic examination in adults; prospective study of 200 patients, 291

Feldt RH, 579

Fenoprofen, renal failure associated with, 103

Ferguson RH, 601

Fever of unknown origin, visceral leishmaniasis (kala-azar) as cause of, 455

Fibromatosis, congenital; report of 28 cases of solitary and 4 cases of multiple tumors, 554

Financial problems: organization and operation of home parenteral nutrition program with emphasis on pharmacist's role, 94

Fineman LD, 513

Fistula: aortic graft-arteric, 731

splenic arteriovenous, 383

Fleming CR, 94

Fluid disorders: dialysis in treatment of multiple myeloma, 65

Fluorescence: Legionnaires' disease; review of epidemiology and clinical manifestations of newly recognized infection, 129

Fontana RS, 459

Foult WT, 383

Frentizole therapy of thrombocytopenia in systemic lupus erythematosus and refractory idiopathic thrombocytopenic purpura, 601

Frozen sections at Mayo Clinic, seventy-five years' experience with; editorial, 721

Fungus: *Rhodotorula* septicemia; two cases and review of literature, 258

## G

Gaffey TA, 747

Gaffron RE, 94  
 Gammaglobulinemia: clinical assessment of cirrhosis in severe chronic active liver disease; specificity and sensitivity of physical and laboratory findings, 360  
 Gas dilution: roentgenologic determination of total lung capacity, 694  
 Gastric ulcer and cholecystectomy—etiologic relationship?, 255  
 Gastric vagotomy, proximal, initial experience; symposium on duodenal peptic ulceration—1980, 10  
 Geraci JE, 415, 455  
 Gersh BJ, 309  
 Gifford RW Jr, 651  
 Gilchrist GS, 271, 554  
 Giuliani ER, 231, 371  
 Glands: clinical pharmacology; thyroid hormones, 33  
 Glucagon, insulin, and gastric inhibitory polypeptide in insulinoma, interrelationships among, 138  
 Glucocorticoids in rheumatic disease, 758  
 Glucose: failure of interventions to maintain mitochondrial function in ischemic myocardium, 637  
 Go VLW, 138  
 Goellner JR, 355  
 Graduation: remarks at commencement exercises of Mayo Medical School, 573  
 Gram-negative bacteremia after transrectal needle biopsy of prostate, 489  
 Graphic rating: patients complaining of extreme pain, 563  
 Groover RV, 156  
 Gross hematuria: bladder involvement in hereditary angioedema, 277

## H

Hagler DJ, 73, 425  
 Harner SG, 645  
 Harrison CE Jr, 377, 637  
 Hartzler GO, 45  
 HDFF, JNC, and nonpharmacologic management of hypertension; editorial, 651  
 Health care: expenditures; approaching crisis, 705  
 and medical education in Uganda, 633  
 Heart: atrial myxomas; review of clinical experience in 40 patients, 371  
 coronary blood-flow responses during successful percutaneous transluminal coronary angioplasty, 45  
 discrete subaortic stenosis; two-dimensional echocardiographic features, 425  
 infective endocarditis caused by *Actinobacillus actinomycetemcomitans*; report of four cases, 415  
 open-heart surgery at Mayo Clinic, 25th anniversary, 339  
 permanent transvenous pacemaker implantation via subclavian vein, 309  
 precordial auscultatory findings in pneumo-

peritoneum, 439  
 use of percutaneous subclavian technique for permanent cardiac pacing in childhood, 579  
 valve malfunction, echocardiographic findings in patients with prosthetic, 231  
 visualization of coronary artery fistula by two-dimensional echocardiography, 185  
 wide-angle two-dimensional echocardiographic profiles of conotruncal abnormalities, 73  
 Heart disease: feasibility of detailed two-dimensional echocardiographic examination in adults; prospective study of 200 patients, 291  
 Heart-lung machine: contributions of basic sciences to successful clinical application of cardiopulmonary bypass, 754  
 Heath PM, 537  
 Hemodialysis: dialysis in treatment of multiple myeloma, 65  
 subclavian vein; golden route, 315  
 Hemophysis: transthoracic needle biopsy; accuracy and complications in relation to location and type of lesion, 475  
 Hemorrhage: aortic graft-enteric fistula, 731  
 Hemostasis; past, present, and future, 505  
 Heparin-agarose column, removal of plasma lipoproteins from circulating blood with, 180  
 Hepatitis: nonalcoholic steatohepatitis; Mayo Clinic experiences with hitherto unnamed disease, 434  
 Hereditary angioedema, bladder involvement in, 277  
 Hermans PE, 193  
 Herrell JH, 705  
 Histiocytosis, malignant, as terminal condition in chronic lymphocytic leukemia, 108  
 Histopathologic characteristics, correlation of, of primary tumor and uninvolved regional lymph nodes in Dukes' class C colonic carcinoma with prognosis, 243  
 Historical vignette: Carl Weigert (1845-1904), pathfinder in medicine, 716  
 Dominic J. Corrigan (1802-1880) and his description of pericardial knock, 771  
 Hodgkinson DJ, 271  
 Holley KE, 103  
 Holmes DR Jr, 309, 579  
 Home parenteral nutrition program, organization and operation of, with emphasis on pharmacist's role, 94  
 Hormones, thyroid; clinical pharmacology, 33  
 Hubert JP Jr, 19, 731  
 Hurt RD, 365  
 Hypertension: antihypertensive drugs that alter adrenergic function, 390  
 blood pressure in school-age population; distribution, correlations, and prevalence of elevated values, 623  
 diuretics; role of sodium balance, 261  
 HDFF, JNC, and nonpharmacologic manage-

ment of, editorial, 651  
 soralasin infusion in renovascular; increased response rate in seated patients, 99  
 splenic arteriovenous fistula, 383  
 Hypertrophic cardiomyopathy and coronary heart disease; editorial, 54  
 Hypoalbuminemia: clinical assessment of cirrhosis in severe chronic active liver disease; specificity and sensitivity of physical and laboratory findings, 360  
 Hypoglycemia: interrelationships among insulin, glucagon, and gastric inhibitory polypeptide in insulinoma, 138  
 Hypotension: toxic shock syndrome, newly recognized disease entity; report of 11 cases, 663

I  
 Idiopathic thrombocytopenic purpura, frentizole therapy of thrombocytopenia in systemic lupus erythematosus and refractory, 601  
 Ilstrup DM, 146  
 Immune reaction: correlation of histopathologic characteristics of primary tumor and uninvolved regional lymph nodes in Dukes' class C colonic carcinoma with prognosis, 243  
 Immunohistochemistry: malignant histiocytosis as terminal condition in chronic lymphocytic leukemia, 108  
 Incidence, prevalence, mortality, and survivorship in breast cancer, Rochester, Minnesota, 1935 to 1974, 355  
 Infarction, vertebral-basilar distribution, following chiropractic cervical manipulation, 322  
 Infection: etiology and outcome in 42 children with acute nonbacterial meningoencephalitis, 156  
 Legionnaires' disease; review of epidemiology and clinical manifestations of newly recognized, 129  
 massive antigenemia during disseminated cryptococcosis, 513  
 spinal injury in children; review of 156 cases seen from 1950 through 1978, 499  
 visceral leishmaniasis (kala-azar) as cause of fever of unknown origin, 455  
 Infectious diseases of Indochinese refugees, 482  
 Infective endocarditis caused by *Actinobacillus actinomycetemcomitans*; report of four cases, 415  
 Inflammatory disease; glucocorticoids in rheumatic disease, 758  
 Injury in children, spinal; review of 156 cases seen from 1950 through 1978, 499  
 Insulinoma, interrelationships among insulin, glucagon, and gastric inhibitory polypeptide in, 138  
 Insurance: health care expenditures; approaching crisis, 705  
 Intervertebral foramina: spinal cord compression; with special reference to metastatic



epidural tumors, 442

Intestinal absorption of calcium, effect of elevated prolactin levels on plasma 1,25-dihydroxyvitamin D and, 51

Intestinal bleeding: aortic graft-enteric fistula, 731

Intracranial pressure: pseudotumor cerebri; clinical profile and visual outcome in 63 patients, 541

Intrarenal renin: failure of high doses of sar<sup>1</sup>-ile<sup>8</sup>-angiotensin II to abolish autoregulation of renal blood flow, 619

Intrathoracic extra-adrenal functioning paraganglioma (pheochromocytoma) in childhood, 271

Intrauterine echovirus type 11 infection, 509

Intravascular coagulation: toxic shock syndrome, newly recognized disease entity; report of 11 cases, 663

Iodide: clinical pharmacology; thyroid hormones, 33

Ionized and total serum calcium values in normal subjects and patients with renal disorders, comparative studies of, 606

Irish physician: Dominic J. Corrigan (1802-1880) and his description of pericardial knock, 771

Irradiation for leukemia crisis, doxorubicin-enhanced skin reaction after whole-body electron-beam, 711

Ischemic myocardium, failure of interventions to maintain mitochondrial function in, 637

## J

Joundice: plasmapheresis and studies of copper metabolism in benign recurrent cholestasis; novel procedures in rare syndrome, 450

JNC, MDPP, and nonpharmacologic management of hypertension; editorial, 651

Johnson CM, 383

Johnson DD, 83

Johnson RL, 509

Johnson WJ, 65, 120

Jones MJ, 482, 509

Juvenile-onset diabetes: diabetic ketoacidosis in community-based population, 83

## K

Kala-azar (leishmaniasis), visceral, as cause of fever of unknown origin, 455

Kazmar RE, 517

Keams TP, 342

Kelly KA, 5, 10

Ketoacidosis, diabetic, in community-based population, 83

Kays TF, 129

Kidneys: clinical features, prognosis, and response to treatment in polyarteritis, 146

comparative studies of total and ionized serum calcium values in normal subjects

and patients with renal disorders, 606

failure of high doses of sar<sup>1</sup>-ile<sup>8</sup>-angiotensin II to abolish autoregulation of renal blood flow, 619

plasma exchange in treatment of acute renal failure due to low molecular-weight dextran, 387

Kiely JM, 633

Kiernan PD, 19, 531, 731

Kinetic field testing: computer-assisted perimetry in neuro-ophthalmic disease, 207

Kirklin JW, 339

Knox FG, 261, 619

Kolb M, 509

Krueger BR, 322

Kumar R, 51

Kurland LT, 89

Kyle RA, 65, 739

## L

Labarthe DR, 89

LaRusso NF, 450

Leary FJ, 489

Legionnaires' disease: review of epidemiology and clinical manifestations of newly recognized infection, 129

Legionnaires' pneumonia, observations on; editorial, 193

Leishmaniasis (kala-azar), visceral, as cause of fever of unknown origin, 455

Leprosy: infectious diseases of Indochinese refugees, 482

Lesions: bladder involvement in hereditary angioedema, 277

splenic arteriovenous fistula, 383

## LETTERS TO THE EDITOR

Access to subclavian vein—Greene BM, 585

Breast cancer statistics—Miller JM, 585

Carcinoma of pancreas—Dixon GD, 777

Cyclophosphamide metabolic activation—Jardine I, 405

Development of intravascular coagulation—Hardaway RM, 724

Ductal carcinoma of pancreas—Soulen RL, 777

Enuresis—Arnold SJ, Ginsburg A, 586

Enuresis—Graebner RW, 777

Enuresis—Schwartz MS, Colligan RC, 587

Heparin-agarose column—Goldsmith JC, 404

Knee arthroplasty—Besser MI, 195

Nobel laureate Werner Forssmann—Ladewig PP, 195

Obesity—Hewitt MI, 194

Overuse of diagnostic procedures—Seibert JJ, 404

Polyarteritis—Levin J, 405

Respiratory granulomatous vasculitis—Dines DE, 778

Screening for lung cancer—Eddy DM, 653

Serologic markers of hepatitis—Allen JG, 194

Spinal injury in children—Tufts E, 724

Terminology on death certificates—Beckett RS, 585

Leukemia crisis, doxorubicin-enhanced skin reaction after whole-body electron-beam irradiation for, 711

Levit R, 108

Li C-Y, 108, 246

Lie JT, 54, 371, 547, 716

Lillingston GA, 516

Linitis plastica caused by metastatic lobular carcinoma of breast, 747

Linas DA, 315

Lipids in children, day-to-day variability and analytic error in determinations of, 267

Lipoprotein profile of chylous and nonchylous pleural effusions, 700

Lipoproteins: blood pressure in school-age population; distribution, correlations, and prevalence of elevated values, 623

removal of plasma, from circulating blood with heparin-agarose column, 180

Liver: biliary tract, and pancreas, surgery of, 333

nonalcoholic steatohepatitis; Mayo Clinic experiences with hitherto unnamed disease, 434

plasmapheresis and studies of copper metabolism in benign recurrent cholestasis; novel procedures in rare syndrome, 450

Liver disease: blood test abnormalities in runners, 113

clinical assessment of cirrhosis in severe chronic active; specificity and sensitivity of physical and laboratory findings, 360

Lobular carcinoma of breast, linitis plastica caused by metastatic, 747

Lofgren EP, 583

Lorazepam-related withdrawal seizures, 190

Ludwig J, 108, 347, 434

Lung: capacity, roentgenologic determination of total, 694

transthoracic needle biopsy; accuracy and complications in relation to location and type of lesion, 475

utility of needle aspiration biopsy of; editorial, 516

Lungs in tuberculous sclerosis, cystic disease of; clinicopathologic correlation, including body plethysmographic lung function tests, 547

Lupus erythematosus, systemic, and refractory idiopathic thrombocytopenic purpura, fraternal therapy of thrombocytopenia in, 601

Lymphocytic leukemia, malignant histiocytosis as terminal condition in chronic, 108

Lymphocytic lymphoma involving middle ear, 645

## M

Maculopapular exanthem: intrauterine echovirus type 11 infection, 509

Moir DD, 73, 425

Molagelada J-R, 25, 255  
 Malaria: infectious diseases of Indochinese refugees, 482  
 Malignant histiocytosis as terminal condition in chronic lymphocytic leukemia, 108  
 Milkman GD, 614  
 Maloney JD, 309, 579  
 Manipulation, vertebral-basilar distribution infarction following chiropractic cervical, 322  
 Mann RJ, 771  
 Martin HR, 190  
 Martin JK Jr, 333  
 Maruta T, 563  
 Massive antigenemia during disseminated cryptococcosis, 513  
 Mastectomy, pitfalls and problems with subcutaneous, 687  
 Mayo Medical School, remarks at commencement exercises of, 573  
 McCallum D, 94  
 McDonald TJ, 492  
 McGill DB, 94, 434  
 McIlraith DC, 10  
 McKenna UG, 663  
 Meadows JA III, 663  
 Mechanoreceptors: action potentials in sural nerve evoked by tactile stimuli, 223  
 Mediastinal masses: carcinoid tumor of thymus; clinicopathologic report of seven cases with review of literature, 246  
 Medical education and health care in Uganda, 633  
 Medical versus surgical therapy for duodenal ulcer; making the right choice; symposium on duodenal peptic ulceration—1980, 25  
 Melton LJ III, 355  
 Meningoencephalitis, etiology and outcome in 42 children with acute nonbacterial, 156  
 Menstruation: toxic shock syndrome, newly recognized disease entity; report of 11 cases, 663  
 Mercier L-A, 371  
 Messick J Jr, 619  
 Metabolism: diuretics; role of sodium balance, 261  
 Metastatic disease to spine; editorial, 460  
 Metastatic epidural tumors; spinal cord compression, 442  
 Metastatic lobular carcinoma of breast, linitis plastica caused by, 747  
 Microbiology: infective endocarditis caused by *Actinobacillus actinomycetemcomitans*; report of four cases, 415  
 Middle ear, lymphocytic lymphoma involving, 645  
 Miller FA Jr, 309  
 Miller LJ, 255  
 Miller RD, 547, 694  
 Miller WE, 475  
 Mitochondrial function in ischemic myocardium, failure of interventions to maintain, 637  
 Mitochondrial oxidative phosphorylation in ischemic canine myocardium, effect of

betamethasone on, 377  
 Moertel CG, 243  
 Monoclonal antibodies; tools of future; editorial, 517  
 Morphologist: Carl Weigert (1845-1904), pathfinder in medicine, 716  
 Morse RM, 365  
 Mortality, incidence, prevalence, and survivorship in breast cancer in Rochester, Minnesota, 1935 to 1974, 355  
 Mortality rates: surgery of liver, biliary tract, and pancreas, 333  
 Mucha P Jr, 315, 731  
 Multicentric thyroid carcinoma, parathyroid adenomas, and vagal neurilemmoma in young man with antecedent tonsillar radiation, 648  
 Multiple myeloma: dialysis in treatment of, 65  
 Scintigraphic evaluation of skeleton in, 739  
 Multiple tumors: congenital fibromatosis; report of 28 cases of solitary and 4 cases of multiple tumors, 554  
 Muñoz H, 623  
 Muñoz S, 623  
 Myers RP, 277  
 Myxomas, atrial; review of clinical experience in 40 patients, 371

## N

Nasopharynx: intrauterine echovirus type 11 infection, 509  
 National DESAD project: breast cancer in DES-exposed mothers; absence of association, 89  
 Needle aspiration biopsy of lung, utility of; editorial, 516  
 Needle biopsy: of prostate, gram-negative bacteremia after transrectal, 489  
 Trans thoracic; accuracy and complications in relation to location and type of lesion, 475  
 Nelson AM, 758  
 Nelson RL, 138  
 Neoplasms: carcinoid tumor of thymus; clinicopathologic report of seven cases with review of literature, 246  
 Correlation of histopathologic characteristics of primary tumor and uninvolved regional lymph nodes in Dukes' class C colonic carcinoma with prognosis, 243  
 Nephritis: renal failure associated with feno-profen, 103  
 Nephrotoxicity of nonsteroidal anti-inflammatory drugs; editorial, 120  
 Nerve, action potentials in sural, evoked by tactile stimuli, 223  
 Neurology: vertebral-basilar distribution infarction following chiropractic cervical manipulation, 322  
 Neurons: antihypertensive drugs that alter adrenergic function, 390  
 Neuro-ophthalmic disease, computer-assisted perimetry in, 207

Neuropathy: diabetic ketoacidosis in community-based population, 83  
 Nitrogen-washout: roentgenologic determination of total lung capacity, 694  
 Niven RG, 190  
 Noller KL, 89  
 Nonalcoholic steatohepatitis; Mayo Clinic experiences with hitherto unnamed disease, 434  
 Nonbacterial meningoencephalitis, etiology and outcome in 42 children with acute, 156  
 Nonchylous and chylous pleural effusions, lipoprotein profile of, 700  
 Nonpharmacologic management of hypertension, HDFF, JNC, and, editorial, 651  
 Norepinephrine: antidepressant drug action and presynaptic  $\alpha$ -receptors, 567  
 Nutrition: effect of elevated prolactin levels on plasma 1,25-dihydroxyvitamin D and intestinal absorption of calcium, 51  
 program, organization and operation of home parenteral, with emphasis on pharmacist's role, 94

## O

Oberle DA, 45  
 Obesity: blood pressure in school-age population; distribution, correlations, and prevalence of elevated values, 623  
 Observations on Legionnaires' pneumonia; editorial, 193  
 O'Connell MJ, 645  
 Octopus: computer-assisted perimetry in neuro-ophthalmic disease, 207  
 O'Duffy JD, 161, 601  
 O'Fallon WM, 89, 355  
 Offord KP, 291, 606, 694  
 Okazaki H, 322  
 Oliguric renal failure: plasma exchange in treatment of acute renal failure due to low molecular-weight dextran, 387  
 Olsen KD, 645  
 Onofrio BM, 460  
 Open-heart surgery: contributions of basic sciences to successful clinical application of cardiopulmonary bypass, 754  
 at Mayo Clinic; 25th anniversary, 339  
 Operations: symposium on duodenal peptic ulceration—1980; which operation for duodenal ulcer?, 5  
 Ophthalmology: pseudotumor cerebri; clinical profile and visual outcome in 63 patients, 541  
 Organization and operation of home parenteral nutrition program with emphasis on pharmacist's role, 94  
 Osteolytic lesions: scintigraphic evaluation of skeleton in multiple myeloma, 739  
 Osteoporosis: glucocorticoids in rheumatic disease, 758  
 Otitis: lymphocytic lymphoma involving the middle ear, 645  
 Ott BJ, 434

Owen CA Jr, 505

Oxidative phosphorylation in ischemic canine myocardium, effect of betamethasone on mitochondrial, 377

## P

Pacemakers: subclavian vein; golden route, 315  
use of percutaneous subclavian technique for permanent cardiac pacing in childhood, 579

Pain, patients complaining of extreme, 563

Pairalero FC, 731

Palumbo PJ, 83

Pancreas: attempted curative resection of ductal carcinoma of; review of Mayo Clinic experience, 1951-1975, 531

biliary bypass for ductal adenocarcinoma of; Mayo Clinic experience, 1970-1975, 537

ductal adenocarcinoma of; editorial, 583

liver, and biliary tract, surgery of, 333

Paraganglioma (pheochromocytoma), extra-adrenal intrathoracic functioning, in childhood, 271

Parasites: infectious diseases of Indo-Chinese refugees, 482

visceral leishmaniasis (kala-azar) as cause of fever of unknown origin, 455

Parathyroid adenomas, multicentric thyroid carcinoma, and vagal neurilemmoma in young man with antecedent tonsillar radiation, 648

Paschall CL, 513

Pathfinder in medicine, Carl Weigert (1845-1904), 716

Pathology: seventy-five years' experience with frozen sections at Mayo Clinic; editorial, 721

Payne WS, 383

Pediatrics: spinal injury in children; review of 156 cases seen from 1950 through 1978, 499

Pemberton JH, 14

Peptic ulceration—1980, symposium on duodenal: medical versus surgical therapy for duodenal ulcer; making the right choice, 25

truncal vagotomy and resection in treatment of duodenal ulcer, 19

which operation for duodenal ulcer?, 5

Percutaneous transluminal coronary angioplasty, coronary blood-flow responses during successful, 45

Pericardial knock, Dominic J. Corrigan (1802-1880) and his description of, 771

Perimetry, computer-assisted, in neuro-ophthalmic disease, 207

Permanent transvenous pacemaker implantation via subclavian vein, 309

Perrault J, 420, 663

Pharmacist's role, organization and operation of home parenteral nutrition program with emphasis on, 94

Pharmacology, clinical: antihypertensive drugs that alter adrenergic function, 390  
disease-modifying drugs for progressive rheumatoid arthritis, 161

diuretics; role of sodium balance, 261

glucocorticoids in rheumatic disease, 758

thyroid hormones, 33

Phosphorylation in ischemic canine myocardium, effect of betamethasone on mitochondrial oxidative, 377

Phyllis RL, 601

Physical activity: blood test abnormalities in runners, 113

Pien FD, 258

Piepgas DG, 342

Pierides AM, 606

Pierre RV, 108

Pineda AA, 180, 387, 450

Pitfalls and problems with subcutaneous mastectomy, 687

Plasma: exchange in treatment of acute renal failure due to low molecular-weight dextran, 387

lipoproteins, removal of, from circulating blood with heparin-agarose column, 180

Plasmapheresis and studies of copper metabolism in benign recurrent cholestasis; novel procedures in rare syndrome, 450

Plastica, linitis, caused by metastatic lobular carcinoma of breast, 747

Plethysmography: roentgenologic determination of total lung capacity, 694

Pleural effusions, lipoprotein profile of chylous and nonchylous, 700

Pluth JR, 231

Pneumonia: Legionnaires' disease; review of epidemiology and clinical manifestations of newly recognized infection, 129

Legionnaires', observations on; editorial, 193

Pneumoperitoneum, precordial auscultatory findings in, 439

Pneumothorax: transthoracic needle biopsy; accuracy and complications in relation to location and type of lesion, 475

Polley HF, 774

Polyarteritis, clinical features, prognosis, and response to treatment in, 146

Polymorphic reticulosis: respiratory vasculitis, 491

Polypeptide, gastric inhibitory, in insulinoma, interrelationships among insulin, glucagon, and, 138

Potentials, action, in sural nerve evoked by tactile stimuli, 223

Prakash UBS, 700

Pressure, blood, in school-age population; distribution, correlations, and prevalence of elevated values, 623

Presynaptic  $\alpha$ -receptors, antidepressant drug action and, 567

Prevalence, incidence, mortality, and survivorship in breast cancer, Rochester, Minnesota, 1935 to 1974, 355

Progressive rheumatoid arthritis, disease-

modifying drugs for, 161

Prolactin levels, effect of elevated, on plasma 1,25-dihydroxyvitamin D and intestinal absorption of calcium, 51

Prostaglandins: failure of high doses of  $\text{sar}^1\text{-ile}^8$ -angiotensin II to abolish autoregulation of renal blood flow, 619

Prostate, gram-negative bacteremia after transrectal needle biopsy of, 489

Prostatic carcinoma: scintigraphic evaluation of skeleton in multiple myeloma, 739

Prosthetic heart valve malfunction, echophonocardiographic findings in patients with, 231

Proximal gastric vagotomy, initial experience; symposium on duodenal peptic ulceration—1980, 10

Pseudotumor cerebri; clinical profile and visual outcome in 63 patients, 541

Psychiatry: diagnosis of alcoholism with a self-administered alcoholism screening test; results with 1,002 consecutive patients receiving general examinations, 365

Pulmonary function: cystic disease of lungs in tuberous sclerosis; clinicopathologic correlation, including body plethysmographic lung function tests, 547

Purpura, frenitole therapy of thrombocytopenia in systemic lupus erythematosus and refractory idiopathic thrombocytopenic, 601

Pyloroplasty and vagotomy in treatment of duodenal ulceration, long-term results; symposium on duodenal peptic ulceration—1980, 14

Pyruvate: failure of interventions to maintain mitochondrial function in ischemic myocardium, 637

## R

Radiation, multicentric thyroid carcinoma, parathyroid adenomas, and vagal neurilemmoma in young man with antecedent tonsillar, 648

Radiography: cholecystectomy and gastric ulcer—etiologic relationship?, 255

Receptors, antidepressant drug action and presynaptic, 567

Reconstructive surgery: aortic graft-enteric fistula, 731

Rectal mucosectomy and ileoanal anastomosis with total colectomy for chronic ulcerative colitis in children and young adults, 420

Recurrent cholestasis, plasmapheresis and studies of copper metabolism in benign; novel procedures in rare syndrome, 450

Reeder GS, 185

Refractory shock: toxic shock syndrome, newly recognized disease entity; report of 11 cases, 663

Refugees, infectious diseases of Indo-Chinese, 482

Remarks at commencement exercises of Mayo Medical School, 573

ReMine WH, 19

Removal of plasma lipoproteins from circulating blood with heparin-agarose column, 180

Renal blood flow, failure of high doses of sar<sup>1</sup>-ile<sup>8</sup>-angiotensin II to abolish autoregulation of, 619

Renal disorders, comparative studies of total and ionized serum calcium values in normal subjects and patients with, 606

Renal failure: acute, due to low molecular-weight dextran, plasma exchange in treatment of, 387

associated with fenoprofen, 103

dialysis in treatment of multiple myeloma, 65

Renovascular hypertension, saralasin infusion in; increased response rate in seated patients, 99

Resolution of venous stasis retinopathy after carotid artery bypass surgery, 342

Respiratory failure: cystic disease of lungs in tuberous sclerosis; clinicopathologic correlation, including body plethysmographic lung function tests, 547

Respiratory vasculitis, 491

Resseguie LJ, 255

Retinopathy: diabetic ketoacidosis in community-based population, 83

Rheumatic disease, glucocorticoids in, 758

Rheumatoid arthritis, disease-modifying drugs for progressive, 161

Rhodes KH, 156

Rhodotorula septicemia; two cases and review of literature, 258

Richter's syndrome: malignant histiocytosis as terminal condition in chronic lymphocytic leukemia, 108

Riggs BL, 51

Ritter DG, 73

Roberts GD, 258, 513

Rodriguez M, 442

Roentgenography: scintigraphic evaluation of skeleton in multiple myeloma, 739

Roentgenologic determination of total lung capacity, 694

Rosenbaum AH, 190

Rosenlof RC, 513

Runners, blood test abnormalities in, 113

Rush JA, 541

## S

SAAST: diagnosis of alcoholism with self-administered alcoholism screening test; results with 1,002 consecutive patients receiving general examinations, 365

Saralasin infusion in renovascular hypertension; increased response rate in seated patients, 99

Schattenberg TT, 439

School-age population, blood pressure in; distribution, correlations, and prevalence

of elevated values, 623

Schutt AH, 499

Schwartz N, 94

Scintigraphic evaluation of skeleton in multiple myeloma, 739

Sclerosis, cystic disease of lungs in tuberous; clinicopathologic correlation, including body plethysmographic lung function tests, 547

Scott RE, 246

Sector echocardiography: wide-angle two-dimensional echocardiographic profiles of conotruncal abnormalities, 73

Seizures, lorazepam-related withdrawal, 190

Septicemia, *Rhodotorula*; two cases and review of literature, 258

Serum: calcium values in normal subjects and patients with renal disorders, comparative studies of total and ionized, 606  
massive antigenemia during disseminated cryptococcosis, 513

Service FJ, 138

Seventy-five years' experience with frozen sections at Mayo Clinic; editorial, 721

Seward JB, 73, 291, 425

Shepherd JT, 567

Shops SG, 99, 271

Shock syndrome, toxic, newly recognized disease entity; report of 11 cases, 663

Silvers A, 243

Skin reaction, doxorubicin-enhanced, after whole-body electron-beam irradiation for leukemia crisis, 711

Slocumb CH, 774

Smith HC, 45, 185, 673

Smith TF, 156, 509

Socioeconomics: health care expenditures; approaching crisis, 705

Sodium balance, role of; diuretics, 261

Solberg LA Jr, 711

Something old, something new, and something borrowed—American Cancer Society's report on cancer-related health checkup; editorial, 459

Soule EH, 554

Spielman WS, 619

Spinal cord compression; with special reference to metastatic epidural tumors, 442

Spinal injury in children; review of 156 cases seen from 1950 through 1978, 499

Spine, metastatic disease to; editorial, 460

Splenic arteriovenous fistula, 383

Staats BA, 700

Stanson AW, 673

Statistics: breast cancer—1980; editorial, 403  
endometrial carcinoma; comparison of Olmsted County and Mayo Clinic referral patients, 614

Steatohepatitis, nonalcoholic; Mayo Clinic experiences with hitherto unnamed disease, 434

Stenosis, transluminal angioplasty for basilar artery, 673

Steroids, adrenocortical—then and now; editorial, 774

Stickler GB, 118

Strelow DA, 45

Subaortic stenosis, discrete; two-dimensional echocardiographic features, 425

Subclavian technique, use of percutaneous, for permanent cardiac pacing in childhood, 579

Subclavian vein: golden route, 315  
permanent transvenous pacemaker implantation via, 309

Subcutaneous mastectomy, pitfalls and problems with, 687

Sunamori M, 377

Sundi TM Jr, 673

Suppression of hormones: interrelationships among insulin, glucagon, and gastric inhibitory polypeptide in insulinoma, 130

Sural nerve, action potentials in, evoked by tactile stimuli, 223

Surgery: aortic graft-enteric fistula, 731

atrial myxomas; review of clinical experience in 40 patients, 371

attempted curative resection of ductal carcinoma of pancreas; review of Mayo Clinic experience, 1951-1975, 531

biliary bypass for ductal adenocarcinoma of pancreas; Mayo Clinic experience, 1970-1975, 537

carcinoid tumor of thymus; clinicopathologic report of seven cases with review of literature, 246

cholecystectomy and gastric ulcer—etiologic relationship?, 255

congenital fibromatosis; report of 28 cases of solitary and 4 cases of multiple tumors, 554

contributions of basic sciences to successful clinical application of cardiopulmonary bypass, 754

echophonocardiographic findings in patients with prosthetic heart valve malfunction, 231

of liver, biliary tract, and pancreas, 333  
open-heart, at Mayo Clinic; 25th anniversary, 339

precordial auscultatory findings in pneumoperitoneum, 439

resolution of venous stasis retinopathy after carotid artery bypass surgery, 342

total colectomy with rectal mucosectomy and ileoanal anastomosis for chronic ulcerative colitis in children and young adults, 420

Surgical management of varicose veins, trends in; editorial, 583

Sutton MGSJ, 371

Swanson DW, 563

Swenson WM, 365

Sympathetic nerves: antidepressant drug action and presynaptic  $\alpha$ -receptors, 567

Symposium on duodenal peptic ulceration—1980: introduction, 3

medical versus surgical therapy for duodenal ulcer; making the right choice, 25

proximal gastric vagotomy; initial experience, 10  
 truncal vagotomy and resection in treatment of duodenal ulcer, 19  
 vagotomy and pyloroplasty in treatment of duodenal ulceration; long-term results, 14  
 which operation for duodenal ulcer?, 5  
 Systemic lupus erythematosus and refractory idiopathic thrombocytopenic purpura, frenzile therapy of thrombocytopenia in, 601

## T

Tactile stimuli, action potentials in sural nerve evoked by, 223  
 Tajik AJ, 73, 185, 291, 425  
 Taxes: health care expenditures; approaching crisis, 705  
 Taylor WF, 255, 531  
 Telander R, 271, 420  
 Test, diagnosis of alcoholism with a self-administered alcoholism screening; results with 1,002 consecutive patients receiving general examinations, 365  
 Testosterone: bladder involvement in hereditary angioedema, 277  
 Thompson JH Jr, 455, 482  
 Thompson RL, 258  
 Threshold testing: computer-assisted perimetry in neuro-ophthalmic disease, 207  
 Thrombocytopenia: clinical assessment of cirrhosis in severe chronic active liver disease; specificity and sensitivity of physical and laboratory findings, 360  
 frenzile therapy of, in systemic lupus erythematosus and refractory idiopathic thrombocytopenic purpura, 601  
 Thrombosis: hemostasis; past, present, and future, 505  
 Thymus, carcinoid tumor of; clinicopathologic report of seven cases with review of literature, 246  
 Thynne GS, 243  
 Thyroid: carcinoma, multicentric, parathyroid adenomas, and vagal neurilemmoma in young man with antecedent tonsillar radiation, 648  
 hormones; clinical pharmacology, 33  
 Tilley BC, 89  
 Total colectomy with rectal mucosectomy and ileoanal anastomosis for chronic ulcerative colitis in children and young adults, 420  
 Total lung capacity, roentgenologic determination of, 694  
 Toxemia: *Rhodotorula* septicemia; two cases and review of literature, 258  
 Toxic shock syndrome, newly recognized disease entity; report of 11 cases, 663  
 Transluminal angioplasty for basilar artery stenosis, 673

Transluminal coronary angioplasty, coronary blood-flow responses during successful percutaneous, 45  
 Transrectal needle biopsy of prostate, gram-negative bacteremia after, 489  
 Transsthoracic needle biopsy; accuracy and complications in relation to location and type of lesion, 475  
 Transvenous pacemaker, permanent, implantation via subclavian vein, 309  
 Trautmann JC, 207  
 Trends in surgical management of varicose veins; editorial, 583  
 Triglycerides: day-to-day variability and analytic error in determinations of lipids in children, 267  
 lipoprotein profile of chyloous and nonchyloous pleural effusions, 700  
 Truncal vagotomy and resection in treatment of duodenal ulcer; symposium on duodenal peptic ulceration—1980, 19  
 Tuberculous sclerosis, cystic disease of lungs in; clinicopathologic correlation, including body plethysmographic lung function tests, 547  
 Tucker RM, 99, 261  
 Tumor and uninvolved regional lymph nodes, correlation of histopathologic characteristics of primary, in Dukes' class C colonic carcinoma with prognosis, 243  
 Tumors: attempted curative resection of ductal carcinoma of pancreas; review of Mayo Clinic experience, 1951-1975, 531  
 biliary bypass for ductal adenocarcinoma of pancreas; Mayo Clinic experience, 1970-1975, 537  
 breast cancer in DES-exposed mothers; absence of association, 89  
 congenital fibromatosis; report of 28 cases of solitary and 4 cases of multiple tumors, 554  
 endometrial carcinoma; comparison of Olmsted County and Mayo Clinic referral patients, 614  
 extra-adrenal intrathoracic functioning paraganglioma (pheochromocytoma) in childhood, 271  
 lymphocytic lymphoma involving the middle ear, 645  
 metastatic disease to spine; editorial, 460  
 spinal cord compression; with special reference to metastatic epidural tumors, 442  
 Two-dimensional echocardiographic examination in adults, feasibility of detailed; prospective study of 200 patients, 291  
 Two-dimensional echocardiographic features of discrete subaortic stenosis, 425  
 Two-dimensional echocardiography, visualization of coronary artery fistula by, 185  
 Two-dimensional wide-angle echocardiographic profiles of conotruncal abnormalities, 73

## U

Uganda, medical education and health care in, 633  
 Ulcer, gastric, and cholecystectomy—etiologic relationship?, 255  
 Ulcerative colitis in children and young adults, chronic, total colectomy with rectal mucosectomy and ileoanal anastomosis for, 420  
 Ulcers; symposium on duodenal peptic ulceration—1980; medical versus surgical therapy for duodenal ulcer; making the right choice, 25  
 truncal vagotomy and resection in treatment of duodenal ulcer, 19  
 vagotomy and pyloroplasty in treatment of duodenal ulceration; long-term results, 14  
 which operation for duodenal ulcer?, 5  
 Ultrasonics: feasibility of detailed two-dimensional echocardiographic examination in adults; prospective study of 200 patients, 291  
 Umbilical cord: intrauterine echovirus type 11 infection, 509  
 Urology: enuresis—is it being overtreated?; editorial, 118  
 Use of percutaneous subclavian technique for permanent cardiac pacing in childhood, 579

## V

Vagal neurilemmoma, parathyroid adenomas, and multicentric thyroid carcinoma in young man with antecedent tonsillar radiation, 648  
 Vagotomy; proximal gastric, initial experience; symposium on duodenal peptic ulceration—1980, 10  
 and pyloroplasty in treatment of duodenal ulceration, long-term results; symposium on duodenal peptic ulceration—1980, 14  
 truncal, and resection in treatment of duodenal ulcer; symposium on duodenal peptic ulceration—1980, 19  
 Valve malfunction, echophonocardiographic findings in patients with prosthetic heart, 231  
 Van Dellen RG, 277  
 Van Den Berg CJ, 261, 387, 648  
 Van Heerden JA, 3, 10, 14, 315, 333, 537, 583  
 Van Scoy RE, 489  
 Variability, day-to-day, and analytic error in determinations of lipids in children, 267  
 Varicose veins, trends in surgical management; editorial, 583  
 Vasculitis: clinical features, prognosis, and response to treatment in polyarteritis, 146  
 respiratory, 491  
 Vein, subclavian: golden route, 315  
 permanent transvenous pacemaker implantation via, 309



Venereal disease: infectious diseases of Indochinese refugees, 482

Venous stasis retinopathy, resolution of after carotid artery bypass surgery, 342

Ventricular hypertrophy: discrete subaortic stenosis; two-dimensional echocardiographic features, 425

Verheyden CN, 687

Vertebral-basilar distribution infarction following chiropractic cervical manipulation, 322

Viggiano TR, 434

Virus: etiology and outcome in 42 children with acute nonbacterial meningoencephalitis, 156

    intruterine echovirus type 11 infection, 509

Visceral leishmaniasis (kala-azar) as cause of fever of unknown origin, 455

Vision: pseudotumor cerebri; clinical profile and visual outcome in 63 patients, 541

Visualization of coronary artery fistula by two-dimensional echocardiography, 185

Vitamins: effect of elevated prolactin levels on plasma 1,25-dihydroxyvitamin D and intestinal absorption of calcium, 51

Vlietstra RE, 45, 673

Volume control: diuretics; role of sodium balance, 261

Votava HJ, 509

## W

Wagoner RD, 103

Wahner HW, 739

Wallace RB, 731

Washington JA II, 415

Wegener's granulomatosis: respiratory vasculitis, 491

Weidman WH, 267

Weiland LM, 243, 492

Weinshilbaum RM, 390

Welch JM, 747

Welch JS, 10, 747

Wendland ML, 103

Which operation for duodenal ulcer?; symposium on duodenal peptic ulceration—1980, 5

Whole-body electron-beam irradiation for

    leukemia crisis, doxorubicin-enhanced skin reaction after, 711

Wick MR, 108, 246, 711

Wide-angle two-dimensional echocardiographic profiles of conotruncal abnormalities, 73

Wilcox WD, 425

Williams DB, 383

Williams DE, 547

Williams RL, 355

Wilson WR, 415, 455, 663

Wold LE, 513

Wolf AM, 360

Woods JE, 687

## Y

Younge BR, 207, 342

## Z

Zambrano F, 623

Zeller DJ, 513



